

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

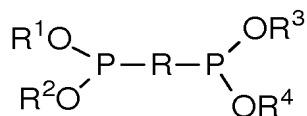
LISTING OF CLAIMS:

1. Canceled
2. (Currently Amended) The composition as claimed in claim 4, wherein the R radical of the formula (I) of the inhibitor $\gamma.2$ is a cyclic alkylene or an arylene radical.
3. (Currently Amended) The composition as claimed in claim 4, wherein the R^1 , R^2 , R^3 , R^4 , $R^{1'}$, $R^{2'}$ and $R^{3'}$ radicals of the formulae (I) and (II) of the inhibitor $\gamma.2$ are cyclic alkylenes, arylenes or alkylarylenes.
4. (Currently Amended) An adhesive silicone elastomer composition which can be crosslinked under hot conditions by polyaddition (hydrosilylation), this composition being of the type of those comprising:
 - ♦ $\alpha/$ at least one PolyOrganoSiloxane (POS) carrying ethylenic and/or acetylenic unsaturation(s) {POS comprising $\equiv\text{Si}$ -[unsaturation] units};
 - ♦ $\beta/$ at least one polyorganosiloxane (POS) carrying $\equiv\text{Si-H}$ units;
 - ♦ $\gamma/$ a catalytic combination comprising:
 - ~ $\gamma.1$ at least one metal catalyst

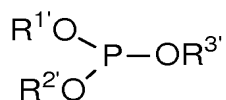
~ $\gamma.2$ and at least one crosslinking inhibitor;

- ◆ $\delta/$ a filler;
- ◆ $\epsilon/$ at least one adhesion promoter;
- ◆ $\rho/$ at least one POS resin;
- ◆ $\lambda/$ at least one agent for stability toward heat;
- ◆ $\phi/$ optionally at least one other functional additive;

said composition being a single-component composition wherein the crosslinking inhibitor $\gamma.2$ is selected from the group of compounds of following formula (I) or (II):



(I)



(II)

in which:

$\text{R}, \text{R}^1, \text{R}^2, \text{R}^3, \text{R}^4, \text{R}^{1'}, \text{R}^{2'}$ and $\text{R}^{3'}$, which are is identical or different, ~~represent~~
represents a linear, branched or cyclic alkylene radical or a substituted or
 unsubstituted arylene radical, in particular:

- i. a linear or branched alkylene radical having in particular from 2 to 30 carbon atoms (C),

ii. an alkylene radical comprising one or more rings, in particular 1 or 2, it being possible for a ring to have in particular from 4 to 14 C, or

iii. an arylene or alkylarylene radical comprising one or more fused or nonfused aromatic rings, in particular 1 or 2 rings, it being possible for a ring to comprise from 4 to 14 C, optionally substituted by 1 or more, in particular from 1 to 2, linear or branched alkylene(s) having in particular from 1 to 12 C and

wherein:

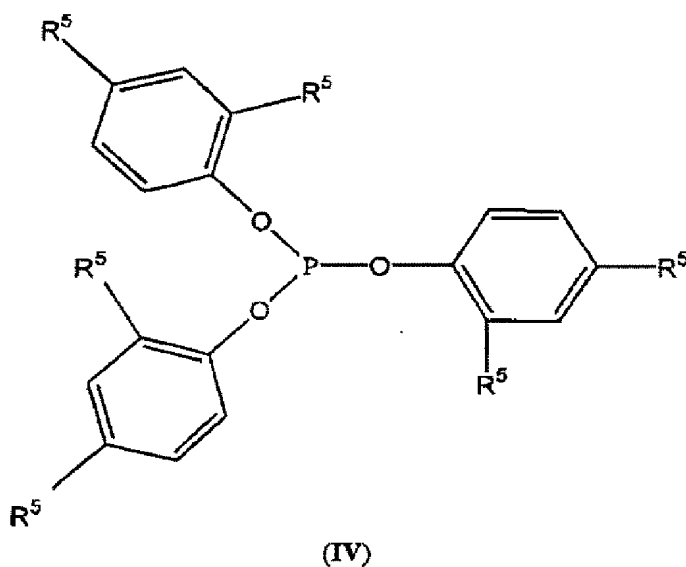
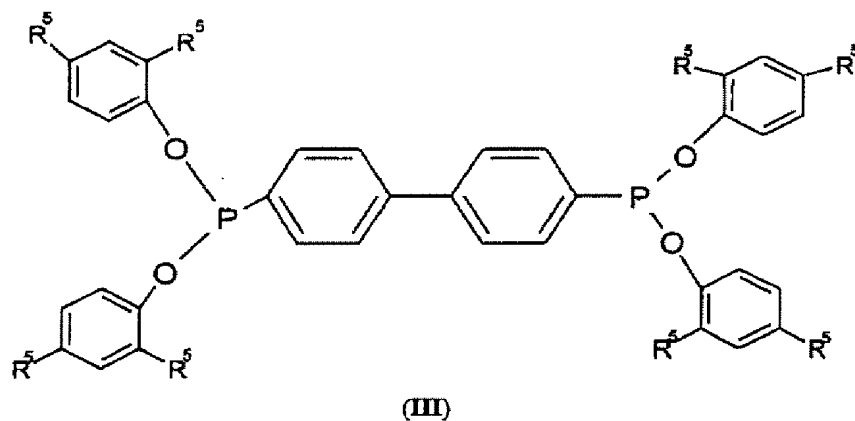
R1, R2, R3, R4, R1', R2' and R3', which are identical or different represent a linear alkyl radical or a substituted aryl radical in particular:

i. a linear or branched alkyl radical having in particular from 2 to 30 carbon atoms (C),

ii. an alkyl radical comprising one or more rings, in particular 1 or 2, it being possible for a ring to have in particular from 4 to 14 C, or

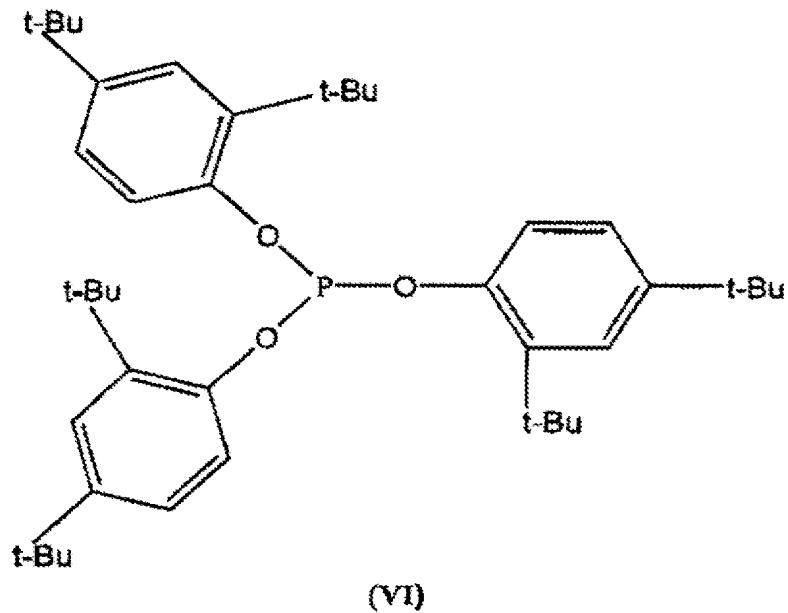
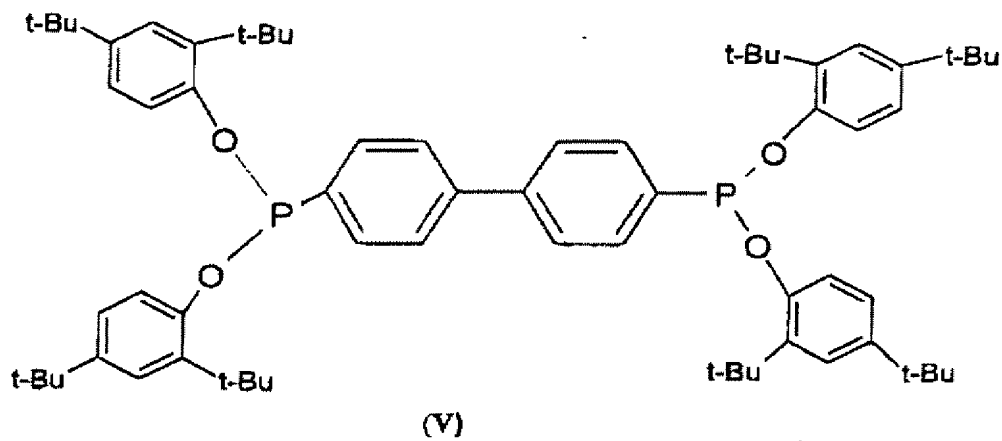
iii. an aryl or alkylarylene radical comprising one or more fused or nonfused aromatic rings, in particular 1 or 2 rings, it being possible for a ring to comprise from 4 to 14 C, optionally substituted by 1 or more, in particular from 1 to 2, linear or branched alkyl(s) having in particular from 1 to 12 C

wherein the inhibitor $\gamma.2$ corresponds to either of the following formulae (III) or (IV):



in which the R^5 radicals, which are identical or different, are linear or branched alkyls having in particular from 1 to 12 C.

5. (Currently Amended) The composition as claimed in claim 4, wherein the inhibitor $\gamma.2$ corresponds to the formula (V) or (VI):



6. (Currently Amended) The composition as claimed in claim 4, wherein the catalyst $\gamma.1$ is a platinum catalyst.

7. (Currently Amended) The composition as claimed in claim 4, wherein the phosphorus of $\gamma.2$ /platinum of $\gamma.1$ ratio by weight is such that:

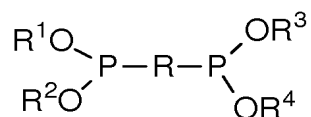
- $P/Pt \geq 1$.

8. (Previously Presented) The catalytic composition as claimed in claim 6, wherein the catalyst $\gamma.1$ is a platinum/unsaturated siloxane complex.

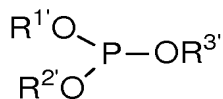
9. (Currently Amended) An adhesive silicone elastomer composition which can be crosslinked under hot conditions by polyaddition (hydrosilylation), this composition being of the type of those comprising:

- ◆ $\alpha/$ at least one PolyOrganoSiloxane (POS) carrying ethylenic and/or acetylenic unsaturation(s) {POS comprising $\equiv\text{Si}$ -[unsaturation] units};
- ◆ $\beta/$ at least one polyorganosiloxane (POS) carrying $\equiv\text{Si-H}$ units;
- ◆ $\gamma/$ a catalytic combination comprising:
 - ~ $\gamma.1$ at least one metal catalyst
 - ~ $\gamma.2$ and at least one crosslinking inhibitor;
- ◆ $\delta/$ a filler;
- ◆ $\epsilon/$ at least one adhesion promoter;
- ◆ $\rho/$ at least one POS resin;
- ◆ $\lambda/$ at least one agent for stability toward heat;
- ◆ $\phi/$ optionally at least one other functional additive;

said composition being a single-component composition wherein the crosslinking inhibitor $\gamma.2$ is selected from the group of compounds of following formula (I) or (II):



(I)



(II)

in which:

~~R, R¹, R², R³, R⁴, R^{1'}, R^{2'} and R^{3'}, which are~~ is identical or different, ~~represent~~
represents a linear, branched or cyclic alkylene radical or a substituted or
unsubstituted arylene radical, in particular:

- i. a linear or branched alkylene radical having in particular from 2 to 30 carbon atoms (C),
- ii. an alkylene radical comprising one or more rings, in particular 1 or 2, it being possible for a ring to have in particular from 4 to 14 C, or
- iii. an arylene or alkylarylene radical comprising one or more fused or nonfused aromatic rings, in particular 1 or 2 rings, it being possible for a ring to comprise from 4 to 14 C, optionally substituted by 1 or more, in particular from 1 to 2, linear or branched alkylene(s) having in particular from 1 to 12 C and

wherein:

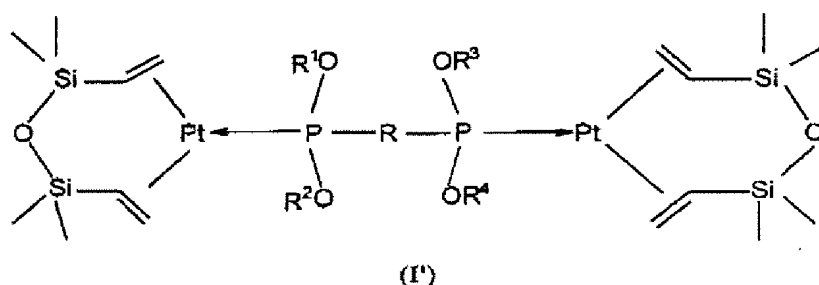
R1, R2, R3, R4, R1', R2' and R3', which are identical or different represent a linear alkyl radical or a substituted aryl radical in particular:

- i. a linear or branched alkyl radical having in particular from 2 to 30 carbon atoms (C),
- ii. an alkyl radical comprising one or more rings, in particular 1 or 2, it being possible for a ring to have in particular from 4 to 14 C, or

iii. an aryl or alkylarylene radical comprising one or more fused or nonfused aromatic rings, in particular 1 or 2 rings, it being possible for a ring to comprise from 4 to 14 C, optionally substituted by 1 or more, in particular from 1 to 2, linear or branched alkyl(s) having in particular from 1 to 12 C

wherein the catalyst $\gamma.1$ is a platinum/unsaturated siloxane complex,

wherein the catalytic combination γ comprises the following chemical entity (I'):



in which:

$R, R^1, R^2, R^3, R^4, R^1, R^2$ and R^3 , which are is identical or different, represent represents a linear, branched or cyclic alkylene radical or a substituted or unsubstituted arylene radical, in particular:

- i. a linear or branched alkylene radical having in particular from 2 to 30 carbon atoms (C),
- ii. an alkylene radical comprising one or more rings, in particular 1 or 2, it being possible for a ring to have in particular from 4 to 14 C, or
- iii. an arylene or alkylarylene radical comprising one or more fused or nonfused aromatic rings, in particular 1 or 2 rings, it being possible for a ring to comprise from 4 to 14 C, optionally substituted by 1 or more, in particular from 1 to 2, linear or

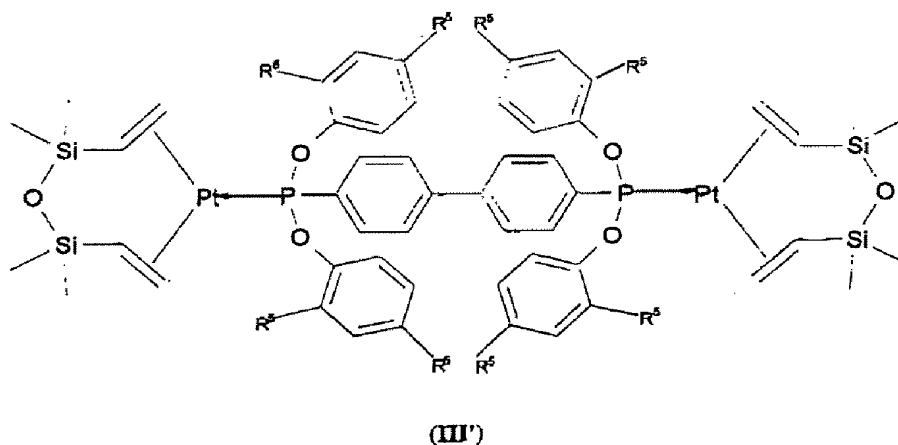
branched alkylene(s) having in particular from 1 to 12 C and

wherein:

R1, R2, R3, R4, R1', R2' and R3', which are identical or different represent a linear alkyl radical or a substituted aryl radical in particular:

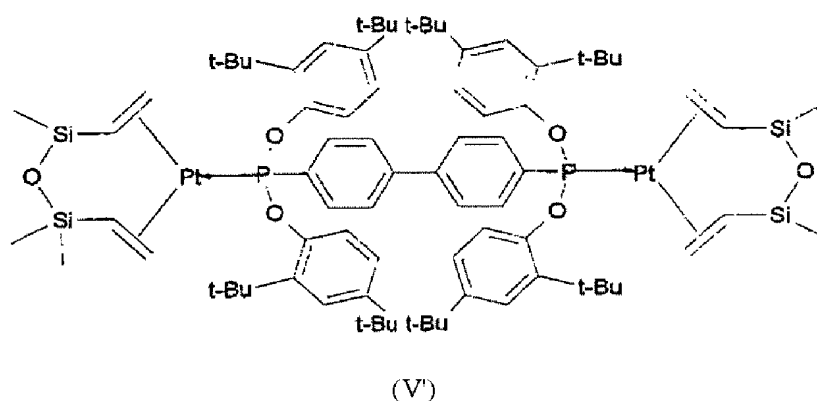
- i. a linear or branched alkyl radical having in particular from 2 to 30 carbon atoms (C),
- ii. an alkyl radical comprising one or more rings, in particular 1 or 2, it being possible for a ring to have in particular from 4 to 14 C, or
- iii. an aryl or alkylarylene radical comprising one or more fused or nonfused aromatic rings, in particular 1 or 2 rings, it being possible for a ring to comprise from 4 to 14 C, optionally substituted by 1 or more, in particular from 1 to 2, linear or branched alkyl(s) having in particular from 1 to 12 C.

10. (Previously Presented) The composition as claimed in claim 9, wherein the catalytic combination γ comprises the following chemical entity (III'):



in which the R^5 radicals, which are identical or different, preferably identical, are linear or branched alkyls having in particular from 1 to 12 C.

11. (Previously Presented) The composition as claimed in claim 10, wherein the catalytic combination γ comprises the following chemical entity (V'):



12. (Currently Amended) The composition as claimed in claim 4, wherein:

- ♦ the α POS or POSs comprise siloxyl units



and siloxyl units of formula:



- ♦ the β POS or POSs comprise siloxyl units



and siloxyl units of formula:



in which formulae the various symbols have the following meaning:

⇒ the R^6 symbols, which are identical or different, each represent a nonhydrolyzable group of hydrocarbon nature, it being possible for this radical to be:

- * an alkyl radical having from 1 to 5 carbon atoms which can comprise from 1 to 6 chlorine atoms,
- * cycloalkyl radicals having from 3 to 8 carbon atoms which can comprise from 1 to 4 chlorine atoms,
- * aryl or alkylaryl radicals having from 6 to 8 carbon atoms which can comprise from 1 to 4 chlorine atoms,
- * cyanoalkyl radicals having from 3 to 4 carbon atoms; methyl, ethyl, propyl, isopropyl, butyl, isobutyl, n-pentyl, t-butyl, chloromethyl, dichloromethyl, α -chloroethyl, α,β -dichloroethyl, β -cyanoethyl, γ -cyanopropyl, phenyl, p-chlorophenyl, m-chlorophenyl, 3,5-dichlorophenyl, trichlorophenyl, tetrachlorophenyl, o-, p- or m-tolyl, and xylyl,

⇒ the Z symbols represent a C_2 - C_6 alkenyl group ;

⇒ n = an integer equal to 0, 1, 2 or 3;

⇒ x = an integer equal to 0, 1, 2 or 3;

⇒ y = an integer equal to 0, 1 or 2;

⇒ the sum $x + y$ lies within the range from 1 to 3,

⇒ w = an integer equal to 0, 1, 2 or 3.

13. (Previously Presented) The composition as claimed in claim 12, comprising:

- α / - at least one POS exhibiting, per molecule, at least two C₂-C₆ alkenyl groups bonded to silicon;
- β / - at least one POS exhibiting, per molecule, at least two hydrogen atoms bonded to silicon;
- γ / - a catalytic combination as defined in claim 12;
- ϵ / an adhesion promoter,
- δ / an inorganic and/or microsphere and/or hollow and/or expanded and/or expandable inorganic filler;
- ρ / optionally at least one POS resin carrying T and/or Q, optionally M and/or D, siloxyl units and alkenyl-comprising siloxyl units,
- λ / optionally at least one colorant;
- ϕ / optionally at least one other functional additive.

14. (Previously Presented) The composition as claimed in claim 12 which is an RTV composition wherein its POS α and/or ρ constituent(s) is(are) chosen from alkenylsilyl POSs having a viscosity η at 25°C such that:

$$200 \leq \eta \leq 200\,000 \text{ mPa}\cdot\text{s}.$$

15. (Currently Amended) A process for the preparation of the composition as claimed in claim 4:

comprising preparing the catalytic combination γ :

- either by mixing the inhibitor $\gamma.2$ with a solution/dispersion of catalyst $\gamma.1$,

- or by mixing the catalyst $\gamma.1$ in a dispersion of the inhibitor $\gamma.2$ in a silicone oil,
- and further comprising:
- a) first of all mixing a portion of the constituents, with the exception of the catalytic combination γ ;
 - b) heating, optionally under vacuum;
 - c) cooling;
 - d) and then adding the remainder of the constituents, except for the catalytic combination γ , with stirring to the premix thus obtained and, finally, adding the catalytic combination γ .

16. – 17. (Cancelled)

18. (Currently Amended) A method for adhesively assembling at least two elements comprising coating at least one of the elements to be assembled with a layer of an adhesive composition as claimed in claim 4 4, applying said elements against one another with said layer therebetween, and crosslinking said adhesive composition.

19. (Currently Amended) A method for adhesively assembling at least two elements consisting essentially of coating at least one of the elements to be assembled with a layer of an adhesive composition as claimed in claim 4 4, applying said elements against one another with said layer therebetween, and crosslinking said adhesive composition.

20. (Previously Presented) The method according to claim 18, wherein the crosslinking is carried out by heating.

21. (Previously Presented) The method according to claim 18, wherein the elements to be assembled are two in number.

22. (Previously Presented) The method according to claim 18, wherein one of the elements to be assembled is a woven, knitted or nonwoven fibrous material.

23. (Currently Amended) The composition as claimed in claim 4 4, wherein R, R1, R2, R3, R4, R1', R2' and R3', ~~represent:~~
R is identical or different, represents a linear, branched or cyclic alkylene radical or a substituted or unsubstituted arylene radical, in particular:
i. a linear or branched alkylene radical having in particular from 2 to 12 carbon atoms (C),
ii. an alkylene radical comprising one or more rings, in particular 1 or 2, it being possible for a ring to have in particular from 5 to 8 C, or
iii. an arylene or alkylarylene radical comprising one or more fused or nonfused aromatic rings, in particular 1 or 2 rings, it being possible for a ring to comprise from 6 to 8 C, optionally substituted by 1 or more, in particular from 1 to 2, linear or branched alkylene(s) having in particular from 4 to 12 C and
wherein:
R1, R2, R3, R4, R1', R2' and R3', which are identical or different represent a linear

alkyl radical or a substituted or unsubstituted aryl radical in particular:

- i. a linear or branched ~~alkylene~~ alkyl radical having 2 to 12 C,
- ii. an ~~alkylene~~ alkyl radical comprising one or more rings, in particular 1 or 2, wherein the rings have 5 to 8 C, or
- iii. an ~~alkylene~~ alkyl or alkylarylene radical comprising one or more fused or nonfused aromatic rings, in particular 1 or 2 rings, comprising from 6 to 8 C, optionally substituted by 1 or more, in particular from 1 to 2, linear or branched ~~alkylene(s)~~ alkyl(s) having in particular from 4 to 12 C.